

membrane **11** blocked from being exposed, a horizontal coverage angle of the speaker apparatus **3** may be improved.

[0180] It has been described in the exemplary embodiments described above that the speaker apparatuses **3**, **3a**, and **3b** including the speaker unit **10** configured to output a sound of the high-frequency domain. However, the exemplary embodiments are not limited thereto and may be applied to structures in which a sound is output through a slit smaller than a size of the speaker unit **10**. For example, the speaker apparatus **3**, **3a**, or **3b** may include a full-range speaker unit capable of outputting a full-range sound wave.

[0181] A speaker apparatus according to one or more exemplary embodiments and an electronic apparatus including the same may exhibit a wide horizontal directivity while outputting a sound of the high-frequency domain which has a sound pressure of a certain level or more.

[0182] It should be understood that exemplary embodiments described herein should be considered in a descriptive sense only and not for purposes of limitation. Descriptions of features or aspects within each exemplary embodiment should typically be considered as available for other similar features or aspects in other exemplary embodiments.

[0183] While exemplary embodiments have been particularly shown and described above, it will be understood by those of ordinary skill in the art that various changes in form and details may be made therein without departing from the spirit and scope of the inventive concept as defined by the following claims.

What is claimed is:

1. A speaker apparatus comprising:
  - a speaker unit comprising:
    - a magnet configured to provide a magnetic field; and
    - a membrane disposed in the magnet field, configured to be vibratable in a first direction, and configured to emit a sound in a second direction perpendicular to the first direction; and
  - a blocking unit disposed at the membrane, configured to block a first region of the membrane having a first height along the first direction from being exposed and configured to expose a second region of the membrane having a second height, a sum of the first and the second heights corresponds to a total height of the membrane,
- wherein the first direction is a vertical direction perpendicular to a floor,
- a width of the membrane extending in a third direction, which is perpendicular to the first and the second directions, is greater than the total height of the membrane in the first direction, and
- the first height of the membrane blocked by the blocking unit is less than a half of a wavelength corresponding to a maximum frequency in a frequency domain of the sound emitted from the membrane.
2. The speaker apparatus of claim 1, wherein the membrane has a meandering shape along the first direction and vibrates while adjacent facing regions of the membrane facing each other move in opposite directions of each other along the first direction.
3. The speaker apparatus of claim 1, wherein the frequency domain of the sound emitted from the membrane satisfies a sound pressure level that is equal to or greater than a sound pressure level lower by 6 dB than an average sound pressure level of the sound emitted from the membrane.

4. The speaker apparatus of claim 1, wherein the maximum frequency is about 20 KHz, and

wherein the half of the wavelength corresponding to the maximum frequency of 20 KHz is about 8.5 mm.

5. The speaker apparatus of claim 1, wherein the second height of the membrane is about 5 mm or less.

6. The speaker apparatus of claim 1, wherein the total height of the membrane is less than about 13.5 mm.

7. The speaker apparatus of claim 1, further comprising an enclosure configured to accommodate the speaker unit, wherein a height of the enclosure in the first direction is less than about 16.5 mm.

8. The speaker apparatus of claim 1, wherein the width of the membrane in the third direction is less than about 42 mm.

9. The speaker apparatus of claim 1 further comprising a sound-absorption member provided on at least one of opposite end portions of the membrane along the third direction.

10. The speaker apparatus of claim 9, wherein the membrane comprises:

adjacent facing regions facing each other along the first direction; and

a connection region disposed between the adjacent facing regions to connect the adjacent facing regions,

wherein the connection region comprises a ridge region disposed on a first side of the membrane along the second direction and a valley region disposed on a second side opposite to the first side of the membrane along the second direction, and

wherein the sound-absorption member is disposed in a space defined by the adjacent facing regions and the valley region.

11. The speaker apparatus of claim 1, wherein the blocking unit is configured to expose a third region having a first width of the membrane in a third direction perpendicular to the first and the second directions and configured to block a fourth region having a second width of the membrane from being exposed, a sum of the first and the second widths correspond to a total width of the membrane.

12. The speaker apparatus of claim 11, wherein the first width of the membrane is about 25 mm or less.

13. The speaker apparatus of claim 11, wherein the second width of the membrane being blocked by the blocking unit is less than the half of the wavelength corresponding to the maximum frequency of the sound emitted from the membrane.

14. The speaker apparatus of claim 13 further comprising a sound-absorption member disposed at the fourth region in which the membrane is blocked from being exposed by the blocking unit.

15. The speaker apparatus of claim 1, wherein the blocking unit comprises:

a front grill disposed at the membrane; and

a display unit disposed at the front grill.

16. The speaker apparatus of claim 15, wherein the first region of the membrane having the first height is blocked from being exposed by at least one of the display unit and the front grill.

17. The speaker apparatus of claim 11, wherein the blocking unit comprises a front grill disposed at the membrane and a display unit disposed at the front grill,

the fourth region of the membrane having the second width is blocked from being exposed by at least one of the display unit and the front grill.